Environmental Biology of Fishes **70:** 435–437, 2004.

Volume 70

Full papers

Potential effects of climate warming on fish habitats in temperate zone lakes with special reference to Lake 239 of the experimental lakes area (ELA), north-western Ontario by W. Jansen & R.H. Hesslein 1–22

Colonial nesting and the importance of the brood size in male parasitic reproduction of the Mediterranean damselfish *Chromis chromis* (Pisces: Pomacentridae) by M. Picciulin, L. Verginella, M. Spoto & E.A. Ferrero 23–30

Movement, home range and site fidelity of the weedy seadragon *Phyllopteryx taeniolatus* (Teleostei: Syngnathidae) by J. Sanchez-Camara & D.J. Booth 31–41

Threatened fishes of the world: Galaxias cobitinis *McDowall & Waters, 2002 (Galaxiidae)* by R.M. McDowall & R.M. Allibone 42

Ontogenetic behavior and migration of Gulf of Mexico sturgeon, *Acipenser oxyrinchus desotoi*, with notes on body color and development by B. Kynard & E. Parker 43–55

Are membrane lipids involved in osmoregulation? Studies *in vivo* on the European eel, *Anguilla anguilla*, after reduced ambient salinity by H.J.M. Hansen & M. Grosell 57–65

Threatened fishes of the world: Barbus ethiopicus *Zolezzi, 1939 (Cyprinidae)* by A.S. Golubtsov, W.W. Dimmick & R. Habteselassie 66

Life-history variation in Caribbean gambusia, *Gambusia puncticulata puncticulata* (Poeciliidae) from the Cayman Islands, British West Indies by M.A. Abney & C.F. Rakocinski 67–79

Threatened fishes of the world: Noturus placidus *Taylor, 1969 (Ictaluridae)* by J.L. Bryan, M.L. Wildhaber & D.B. Noltie 80

Temporal fluctuations and settlement patterns of native and Lessepsian herbivorous fishes on the Lebanese coast (eastern Mediterranean) by M. Bariche, Y. Letourneur & M. Harmelin-Vivien .. 81–90

A comment on the Siberian, *Acipenser baerii*, and Russian, *Acipenser gueldenstaedtii*, sturgeons by V.J. Birstein & G. Ruban 91–92

Announcement 93

Full papers

Interdemic variation in the foraging ecology of the African cyprinid, *Barbus neumayeri* by S. Schaack & L.J. Chapman 95–105

Feeding ecology and energetic relationships with habitat of blue catfish, *Ictalurus furcatus*, and flathead catfish, *Pylodictis olivaris*, in the lower Mississippi River, U.S.A. by M.A. Eggleton & H.L. Schramm Jr 107–121

Threatened fishes of the world: Cetorhinus maximus *(Gunnerus 1765) (Cetorhinidae)* by R.A. Martin & C. Harvey-Clark 122

A comparison of lateral line morphology of blue cod and torrentfish: two sandperches of the family Pinguipedidae by A.G. Carton & J.C. Montgomery 123–131

Insights into young of the year white shark, *Carcharodon carcharias*, behavior in the Southern California Bight by H. Dewar, M. Domeier & N. Nasby-Lucas 133–143

Threatened fishes of the world: Gila elegans *Baird & Girard 1853 (Cyprinidae)* by P.C. Marsh 144

Effects of temperature on the early development, growth, and survival of shortnose sturgeon, *Acipenser brevirostrum*, and Atlantic sturgeon, *Acipenser oxyrhynchus*, yolk-sac larvae by R.S. Hardy & M.K. Litvak 145–154

Differences in responses of chinook salmon to climate shifts: implications for conservation by N. Tolimieri & P. Levin 155–167

An assessment of the potential for selenium to impair reproduction in bull trout, *Salvelinus confluentus*, from an area of active coal mining by V.P. Palace, C. Baron, R.E. Evans, J. Holm, S. Kollar, K. Wautier, J. Werner, P. Siwik, G. Sterling & C.F. Johnson 169–174

Permanent and seasonal expressions of sexual dimorphisms in a weakly electric fish, *Mormyrus rume proboscirostris* Boulenger 1898 (Mormyridae, Teleostei) by P. Moller, C. Schugardt & F. Kirschbaum 175–184

A new species of the genus *Tor* from Yunnan, China (Teleostei: Cyprinidae) by C. ZiMing & Y. JunXing 185–191

Vertical distribution, size structure, and habitat associations of four Blenniidae species on gas platforms in the northcentral Gulf of Mexico by M.F. Topolski & S.T. Szedlmayer 193–201

Full papers

Homing and daytime tidal movements of juvenile snappers (Lutjanidae) between shallow-water nursery habitats in Zanzibar, western Indian Ocean by M. Dorenbosch, M.C. Verweij, I. Nagelkerken, N. Jiddawi & G. van der Velde 203–209

Threatened fishes of the world: Pangasianodon gigas *Chevey, 1931 (Pangasiidae)* by Z.S. Hogan .. 210

Sperm competition in a viviparous fish by C. Macías-Garcia & E. Saborío 211–217

Spawning and brood defense of smallmouth bass under the process of invasion into a novel habitat by K. Iguchi, T. Yodo & N. Matsubara 219–225

Control of gonadal maturation and regression by experimental variation of environmental factors in the mormyrid fish, *Mormyrus rume proboscirostris* by C. Schugardt & F. Kirschbaum 227–233

Reproductive ecology of *Pterapogon kauderni*, an endemic apogonid from Indonesia with direct development by A.A. Vagelli & A.V. Volpedo 235–245

Threatened fishes of the world: Notropis topeka *Gilbert, 1884 (Cyprinidae)* by S.S. Wall & C.R. Berry Jr. 246

Genetic differentiation among annual fishes of the genus *Cynolebias* (Cyprinodontiformes, Rivulidae) in a Biosphere Reserve site from Uruguay by G. García, S. Claramunt & A.I. Lalanne 247–256

Reproductive biology and protandrous hermaphroditism in *Acanthopagrus latus* by S.A. Hesp, I.C. Potter & N.G. Hall 257–272

Patterns of fish movement on eastern Tasmanian rocky reefs by G.J. Edgar, N.S. Barrett & A.J. Morton 273–284

Visual sensation of an ethological stimulus, the agonistic display of *Betta splendens*, revealed using multi-unit recordings from optic tectum by C.G. McDonald, D.H. Paul & C.W. Hawryshyn..... 285–291

Feeding habits of four species of Istiophoridae (Pisces: Perciformes) from northeastern Brazil by T. Vaske Jr., C.M. Vooren & R.P. Lessa 293–304

Observations of a Nassau grouper, *Epinephelus striatus*, spawning aggregation site in Little Cayman, Cayman Islands, including multi-species spawning information by L. Whaylen, C.V. Pattengill-Semmens, B.X. Semmens, P.G. Bush & M.R. Boardman 305–313

Changes of skull proportions in ontogeny of *Barbus canis* from Lake Kinneret and of the Lake Tana large-mouthed barbs, *Barbus intermedius* complex by M.V. Mina & D. Golani 315–320

Full papers

Changes in the cellular and organismal stress responses of the subtropical fish, the Indo-Pacific sergeant, *Abudefduf vaigiensis*, due to the 1997–1998 El Niño/Southern Oscillation by K. Nakano, A. Takemura, S. Nakamura, Y. Nakano & G.K. Iwama 321–329

Threatened fishes of the world: Scaturiginichthys vermeilipinnis *(Ivantsoff, Unmack, Saeed & Crowley 1991) (Pseudomugilidae)* by R.N.E. Wager & P.J. Unmack 330

Relationships between the spot patterns on the head of the Japanese char, *Salvelinus leucomaenis*, in the Chugoku Region, and altitude or riverbed gradient by K. Kawai, A. Masuhara & H. Imabayashi 331–337

Effect of body size on reef fish tolerance to extreme low and high temperatures by A.F. Ospina & C. Mora 339–343

Dine or dash?: Ontogenetic shift in the response of yellow perch to conspecific alarm cues by M.C. Harvey & G.E. Brown 345–352

Reproductive behaviour of Japanese tubesnout, *Aulichthys japonicus* (Gasterosteiformes), in the natural habitat compared with relatives by I. Akagawa, T. Iwamoto, S. Watanabe & M. Okiyama 353–361

Out-migration of tagged fishes from marine reef National Parks to fisheries in coastal Kenya by B. Kaunda-Arara & G.A. Rose 363–372

Threatened fishes of the world: Bolbometopon muricatum *(Valenciennes 1840) (Scaridae)* by T.J. Donaldson & N.K. Dulvy 373

Sex-specific territorial behaviour in the Banggai cardinalfish, *Pterapogon kaunderni* by N. Kolm & A. Berglund 375–379

Gonadal maturity in wild sturgeons, *Huso dauricus*, *Acipenser mikadoi* and *A. schrenckii* caught near Hokkaido, Japan by N. Omoto, M. Maebayashi, A. Hara, S. Adachi & K. Yamauchi 381–391

Attraction of wild coastal fishes to an Atlantic subtropical cage fish farms, Gran Canaria, Canary Islands by A. Boyra, P. Sanchez-Jerez, F. Tuya, F. Espino & R. Haroun 393–401

Diel periodicity and environmental influence on the smolt migration of Arctic charr, *Salvelinus alpinus*, Atlantic salmon, *Salmo salar*, and brown trout, *Salmo trutta*, in northern Norway by K.T. Carlsen, O.K. Berg, B. Finstad & T.G. Heggberget 403–413

Reproduction of the South American dogfish characid, *Galeocharax knerii*, in two reservoirs from upper Paraná River basin, Brazil by A.L.B. Magalhães, N. Bazzoli, G.B. Santos & E. Rizzo 415–425

Acoustic repertoire of spawning cod, *Gadus morhua* by J.L. Finstad & J.T. Nordeide 427–433

Volume contents 435–437

Authors' index 438